



THE BLURB

August
1961

PHILMONT MOBILE RADIO CLUB INC.



THE BLURB

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Phil-Mont Mobile Radio Club

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Superintendent	K3KUD
Boss Stitcher	K3DJE
Printer	K3GNM
Collator	W3QQH

The "Blurb" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general and mobile Radio in particular. We endeavor to keep the news accurate, interesting and in a small way educational. Copying and quoting is permitted, provided credit lines are included. Commercial use is not permitted and subscriptions are gladly exchanged with other radio clubs.

DEADLINES

The "Blurb" is mailed on the last Monday of the month. All material for the "Blurb" must be received by the Editor, W3ZPP, before the 15th of the month.

1961 CLUB OFFICERS

Pres.	Chas. M. Snyder	W3NIP
V. Pres.	Lloyd Sherman	W3CDY
Treas.	Chas. Greenwood	W3GOW
Sec.	Ed. R. Moore	W3EQV
Brd. of Dir: W3's NIP, VVS, QQH, AWH, AK, DSG, WNSM and all 1961 Blurb officers		

MEETINGS

Regular meetings are normally held on the 1st. Monday of the month. Check the calendar at right for the exact date. Meetings are held at the FRANKLIN INSTITUTE at 21st. and the Parkway, starting at 2000 hours (8 PM)

NET AND NET FREQUENCIES

Ch 1 - 29493 Kcs.	Ch 3-Unassigned
Ch 2 - 29629 Kcs.	Ch 4-50.7 Mcs.
Scrambled Egg Net	0730-0830
Weekdays	
Ten on Ten Sundays	1000-1100
Blarney sessions any-time	Ch 1 or 2
29493 Monitored daily	0930 - 2400
for the benefit of mobiles in the Phila. area.	

PMRC CALENDAR

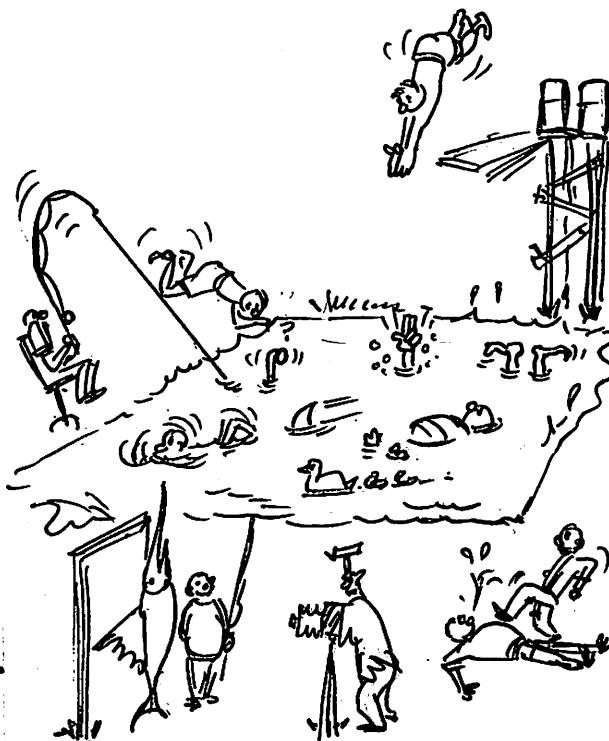
August 7 REGULAR MEETING
8PM FRANKLIN INSTITUTE

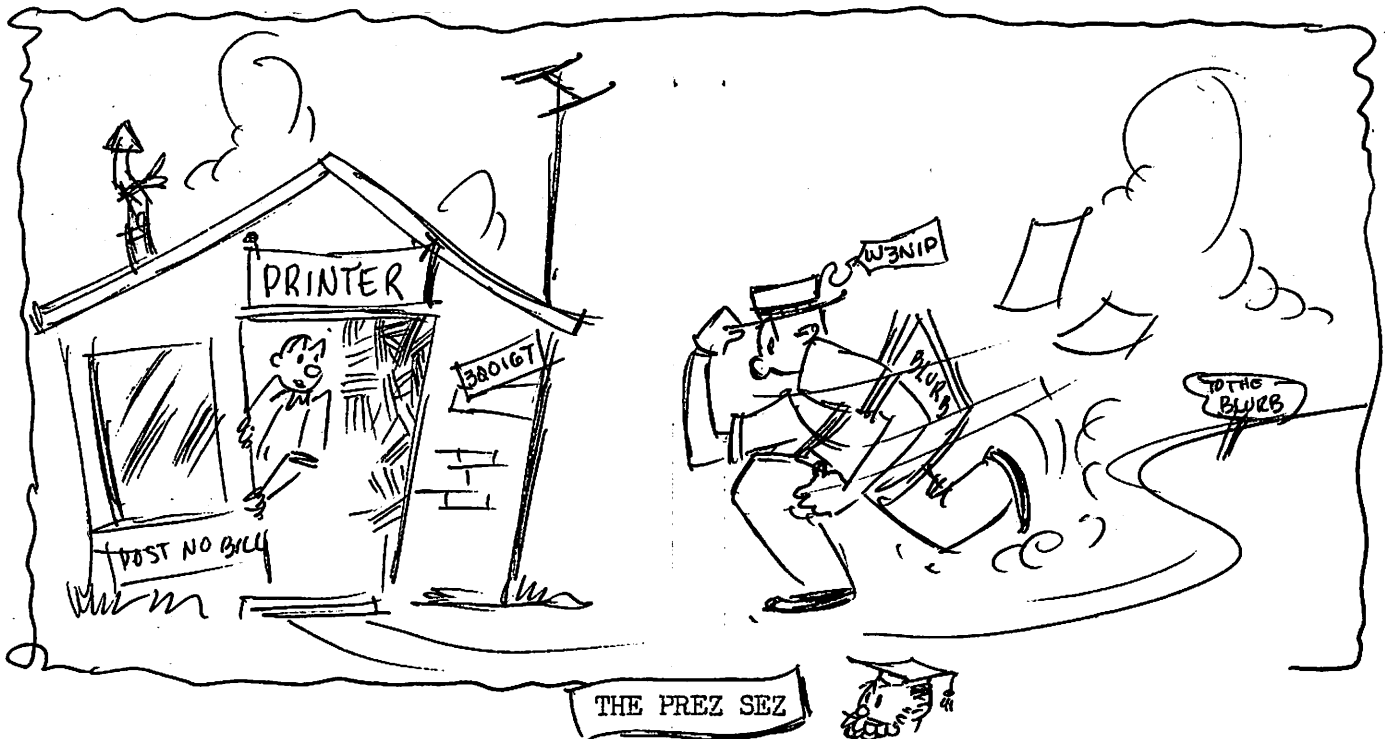
COMING MID-MONTH MEETINGS

August	W3NIP
September	W3CDY
October	W3GOW
November	K3GNM
December	K3GNJ

SEND ALL COMMUNICATIONS FOR THE "BLURB" TO THE EDITOR W3ZPP

AUG MIDMONTH AT NIP'S





THE PREZ SEZ

A popular topic of discussion at many meetings has been the subject of "finances." This was brought clearly into focus by our treasurer's excellent six month report, comparing our expenditures with our budget. This was a tribute both to W3GOW as treasurer and to our budget committee who figured things out in advance.

The way things stand at present show that we are pretty close to our budget, with a few exceptions. One of the things that starts people thinking, though, is the fact that we have about a \$1000.00 budget and about a hundred members, or about \$10.00 per member. The dues, however, are six dollars a year. Where do we get the rest? This is the problem. So far we have been lucky enough to accumulate about \$300 to \$400 a year by such gimmicks as our auctions, prize drawings, fortunate accumulations of surplus equipment and by donations. These are not guaranteed but as long as we have had the will and the way, we have done it.

One of the popular - or unpopular, solutions suggested has been raising the dues! Everytime this is brought up someone threatens to quit - and maybe they would! Maybe quite a few would - and this is why we have eyed this suggestion cautiously.

Let's look, however, how the average member contributes. The member who attends every meeting and thereby gets the most for his money usually chips in 25¢ for the chow kitty. The way I figure that is another \$6.00 a year above and beyond the \$600 be paid for dues, or \$12.00. The suggestion to raise the dues to \$10.00 isn't out of the question for that member, especially if the chow and the prizes might be thrown in for free! But what about the absentee members? Their \$6.00 a year only buys them the "Blurb" and a chance to "belong" to say they're a Phil-Mont member. Would they go along with a \$10.00 fee?



Most Phil-Monters will agree that the membership is a bargain. How many \$15.00 IRE or AIEE or other professional group memberships give anything like what we give for the money? Maybe there is a big thick magazine that is filled with stuff we can't even understand - all we read are the ads - and we don't get much out of them either.

I hesitate to bring up the subject of raising the dues, especially when we are doing so well by our budget. But, I feel, the time will come when we should face this issue and be prepared to take whatever action is necessary. If raising the dues would lose us members I would hesitate to take this course.

If, on the other hand it would merely take money out of one pocket and put it into the other without a struggle, I would favor such action.

In order to amend our by-laws which set the dues at \$6.00 it requires only a majority of those present at a regular meeting or special meeting called for that purpose. It would not be difficult to make this change. Let's think about it, though; cuss it and discuss it for we are still doing fine at \$6.00. If the advantages outweigh the disadvantages let's find that out and act upon it - or table it - like we have been doing for a good many years.

What do you think?

Channel Chatter:  

Tom, KLPNO, formerly W3BFH of Philmont was down from Boston way to visit ye Ed. Tom sends regards to all and asks you fellows to try 20 meters in the afternoons. This area booms in and he would like to YAK with any Philmonters..W3UMK, Dick. Running Orange Juice net in the mornings, try tuning in..... Nice guy of the month award goes to Frank, W3LNQ, for his kindness. Frank took pictures at the field day site and then had prints made and mailed them out to the fellows who appeared in the pictures.....Bill, W3YHV, ran into an unusual situation Sunday 9 July. While acting NCS for 10 on 10 he was sharing 29.493 with a WØ who was also NCS on 29.493.....W3QQH, Jim, traveling along expressway came upon a car on fire. Called CQ Philmont on channel one and reported the fire. K3KUD, W3QV, W3DJV were all monitoring and within six minutes the fire trucks were alongside of the victim..... W3VSD, the voice of W3RQZ (fixed) visited mid-month for the first time..... K3GNJ, Enie, seeking directions to Hy's (W3WNC) house, directed the following query to W3WNC. "Hy how far are you from the Institute for mental health?" Before Hy could answer, a voice came on from the Northern Division and said, "About six months!"..... W3AWH, John, up at Scout camp for a week. 3

with the boys.....W3CHZ, Walt, looking much improved and out looking over field day site.....W3CUB, Bill, back in town and on channel one, calling W3CUB Wyola W3DHJ, Jonesie, inducting his own son into the Army tsk! tsk!..... K3DJE, Bob, put up new pole for more antenna's, talking of going to kilowatt..... W3DJV, Fred, on the quiet side, but always there when you need him..... W3AK, Tex, in and out of town so fast these days we miss him..... W3DGG, Ernie, winner of field day looking forward to the dinner..... K3GNM, Al, back from Iowa and full of info on crystals..... W3PWG, Rolland, mobile on way to Texas..... W3QCV, Laurence, up in Maine on Rainbow II..... W3VXN, Bill, braving rain storm to get his field day log in on time..... Some faces we have been missing for awhile and would like to see out more often are W3BS, W3BSG, W3CDY, W3CNO, W3CUB, W3CW, W3DHJ, W3EXY, W3FLP, W3GIF, W3HFD, W3HQJ, W3IRS, W3JGB, W3KNC, W3LKI, W3PXY, W3SAI, and W3ZN


Franklin Institute Antenna 

On Sunday 16 July a group of Philmonters went down to the Institute to install an antenna for W3TKQ.

Those who were there to lend a hand were W3QQH, W3ADV, W3AHP, W3NIP and K3KDP.

Judging from the signal coming out of W3TKQ the right group was on hand.

Thanks fellows the club appreciates your efforts.

July Mid-Month 

On 19 July Philmont's mid-month meeting was held at the home of W3QQH. Even the cloud burst couldn't keep the gang away.

We would like to thank Elaine and Jim for having us. I'll bet there wasn't much of Elaine's cake left, it was delicious.



Cont'd on page 6

VACUUM TUBE CROSS REFERENCE FROM COMMERCIAL TO MILITARY

	<u>JAN NO</u>
0A2	6073
0B2	6074
IU4	5910
2A3	5930/2A3W
2C51	5670
2C51	6185
2D21	5727/2D21W
5U4G	5931/5U4WG
6AC7	1851
6AK5	5591
6AK5	5654/6AK5W
6AK5	6096
6AL5	5726/6AL5W
6AL5	6058
6AL5	6097
6AM6	6064
6AQ5	6005/6AQ5W
6AQ5	6095
6AR6	6098
6AS6	5727/6AS6W
6AS6	5725
6AS6	6187
6AS7G	6080
6AT6	6060
6AU6	6136
6BA6	5749
6BE6	5750
6BF7	6021
6C4	6100
6C4	6135 .25 MA Greater Fil. Drain.
6CH6	6132
6E5	1629 12 V. Fil.
6F6	1621
6J6	6099 Balanced
6J6	6101

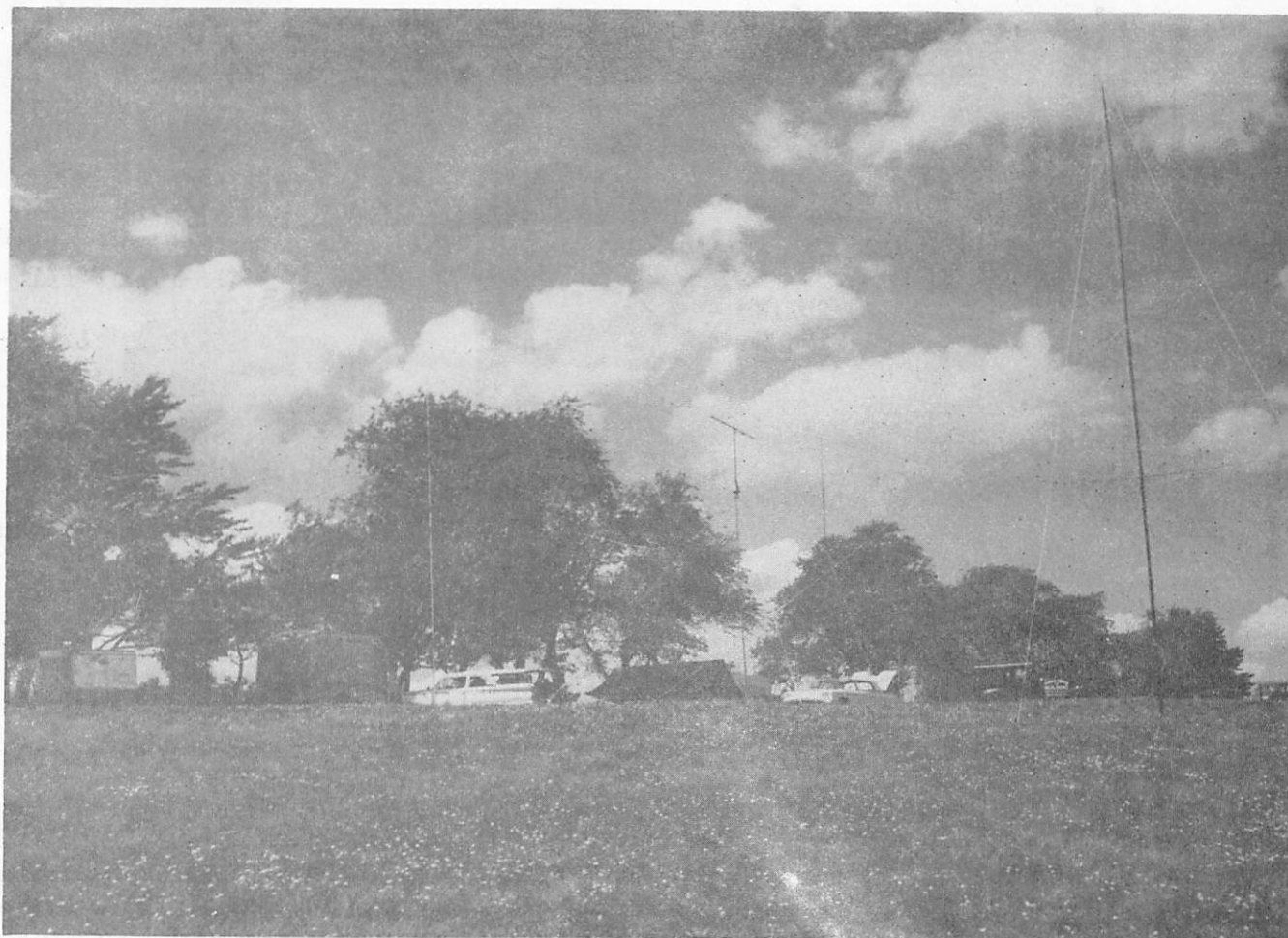
	<u>JAN NO</u>
6J7	1609
6J7	1620
6J7	6059
6K7	5732
6L6	1622
6L6	1631 12 V Fil.
6L6G	5881
6L6	5932 .3" Larger Base
6L7	1612
6SG7	6006
6SU7	5693
6SK7	6137
6SL7 GT	5691 .6 Amp. Htr.
6SL7 GT	6113
6SN7 GT	1633 25 V Fil.
6SN7 GT	5692
6V6G/GT	6061
6V6GT	5871
6U6GT	5992
6X4	6063
7A6	5679
12AT7	6060
12AT7	6201
12AU7	5814 1/6 Greater Fil. Drain
12AU7	6067
12AX7	5057 1/6 Greater Fil. Drain
12AX7	5751
12AY7	6072 1/6 Greater Fil. Drain
12L8GT	1644
12SC7	1634
25B6G	5824
25L6GT	6046
807	5933

SXKING IS BXLIXING (X) (X)

Wx must apologizx for this xditorial but thx typxwrtxr wx arx using has a dxfxctivx lxttxr. Thx missing lxttxr is thx onx bxtwpxn "D" and "F" in thx alphabxt. Wx havx had to improvix in order to get our mxxsagx across. In keeping with thx attitudx of so many mxxmbxrs of thx club, "What's onx missing character morx or lxss, thxrx arx still still 25 othxr lxttxrs to usx." "Lxt Gxorgx do it." No onx will xvr miss onx littlx lxttxr, or xvr miss onx littlx mxxmbxr at a mxxting. "Our prxs-xncx at mxxtings isn't vxy important,

lxt thx othxr guys go and do all thx work, I'm just onx littlx guy, thxy don't nxxd mx, and I don't nxxd thxm."

Yxs. I guxxs that many of thx "Hoxl Draggxrs" just do not sxom to sxot thx light, Thxy do not rxalizx that wx arx trying to hxlpx thxm. Xach littlx character is vxy vital, as is xvxry lxttxr in thx alphabxt. Itxm or pxrson, all arx nxxxssary, and havx to work togethxr to makx smxsx or to makx progrxss. Isn't this a finx xxmlplx? Sxx you at our nxxxt mxxting?



FIELD DAY 1961

TEAM STANDINGS

W3D\$G	2362.5	W3YHV	1404.0	W3AWH	1930.5	W3GOW	1431.0
W3HIJ	1417.5	K3GNM	1687.5	K3DJE	774.0	W3HFD	358.0
W3VXN	<u>1606.5</u>	W3SRU	<u>2119.5</u>	W3UMK	<u>432.0</u>	W3AK	<u>765.0</u>
	5386.5		5211.0		3136.5		2540.0

CLUB STANDINGS

W3D\$G	2362.5	W3PWG	1026.0	W3SAA	729.0	W3ADV	162.0
W3SRU	2119.5	W3AJO	918.0	W3FOG	675.0	W3EZJ	90.0
W3AWH	1930.5	W3YJM	837.0	W3BBB	607.5	W3RQZ	1485.0 (10
K3GNJ	1917.0	W3VVS	837.0	W3CDY	607.5		meter)
K3GNM	1687.5	W3FWI	810.0	W3QQH	567.0	W3RQZ	337.5 (6 &
W3VXN	1606.5	K3GBA	810.0	W3IWO	459.0		2
W3GOW	1431.0	W3PST	783.0	W3DJV	459.0		meter)
K3HIJ	1417.5	W3EQV	783.0	W3UMK	432.0		
W3YHV	1404.0	K3DJE	774.0	W3HFD	358.0		
W3LNQ	1161.0	W3AK	765.0	W3JYA	310.5		
W3NIP	1093.5	W3LEM	729.0	W3JPP	270.0		

Club Aggregate
Total Score 34, 751.5 pts.

We're All Dressed Up



No one can pick up this issue of the "Blurb" without realizing that! Those of you who read our paper on occasion and those of you who never read it (and there are those) will read this issue.

Why??? Because it is a good looking issue, pleasing to the eye, with pictures, easy to read. The kink of issue we would like to receive each and every month.

We can have issues like this, and better, if we want them bad enough. By that I mean the club will have to dig down and continue the program instituted by Charlie Gilbert, W3YJM, a couple of years ago when Charlie was President, the "Blurb" improvement program. We need a multilith machine to do this. I think we should establish a committee to look into this and to formulate a program for carrying it to completion.

This special issue was gotten out through the efforts of Bill Bubeck, W3YHV, I feel that he deserves a great deal of credit.

The rest is up to you.



W3ZPP

"It Seems to Us"



We as members of Philmont are quite proud that we have the most popular frequency on field day. Due to this popularity we are on the spot to a rather large monitoring group, Philmont members and others who care to listen.

While monitoring the frequency the other nite I heard a break in the silence with "This is W3000/Mobile on the Boulevard! Is anyone around?" A short break and then a reply from a W4 in Miami Florida. To the mobile, (a Philmonter) this was a shot out of the blue as he was trying to get some traffic through to a friend in Miami. The W4 volunteered to call the mobiles friend and phone

patch him through because band condition were good. All of this is quite common to amateur radio except that a couple other Philmont members decided that this was "Channel one" and promptly broke in with "Move off the channel with phone patches" and passed bits of conversation back and forth QRM'ing the Florida traffic which was in progress.

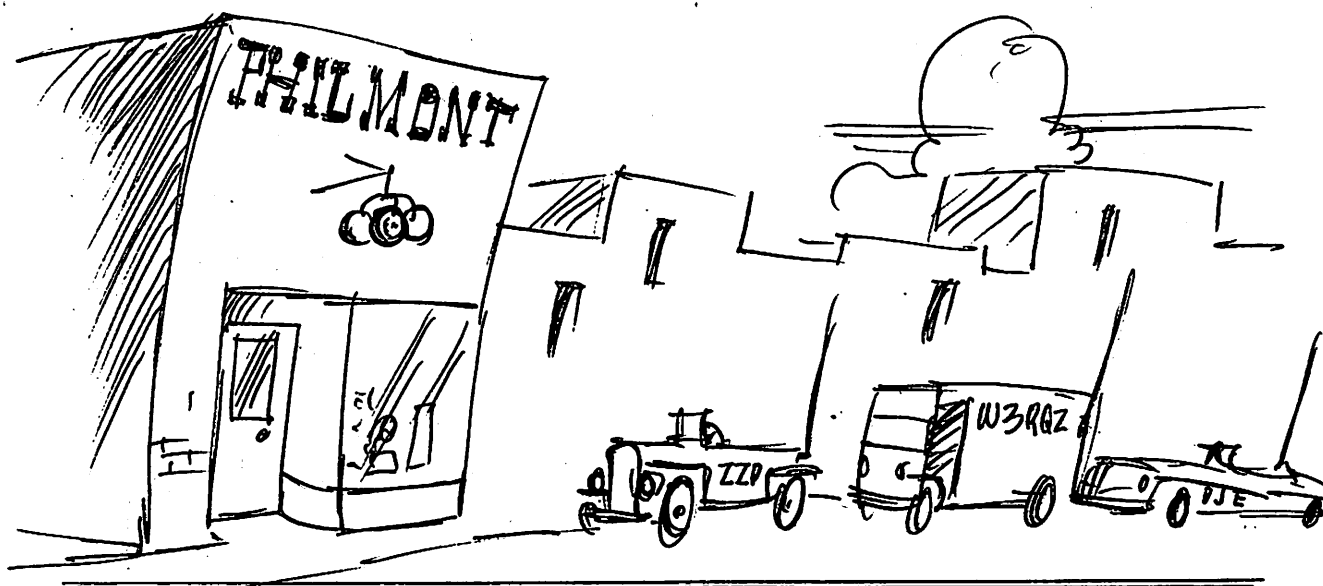
This kind of operation puts a bad taste in the minds of those who are listening and gives Philmont a black eye. First off, the mobile was in motion crystal controlled and not in a position to QSY. It would have taken less than five minutes to complete the traffic had not the Philmonters who think they own a frequency broken in and delayed the contact.

Lets remember we have no particular channel frequencies assigned to any of us amateurs, and we have a right to run any kind of traffic on any frequency allocated to us by the F.C.C. I'm sure most fellows always slide off of the frequency for long QSO's and other none channel activities.

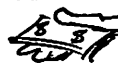
It will be a feather in Philmonts cap to eliminate this kind of QRM.

W3YHV





SWAP & SHOP



FOR SALE: HQ170 Receiver - excellent
condition w/speaker - \$280.
Gene K3DSM Tel: MO 4-0593
352 Woodley Rd,
Merion Station, Penna.
After 24 August.

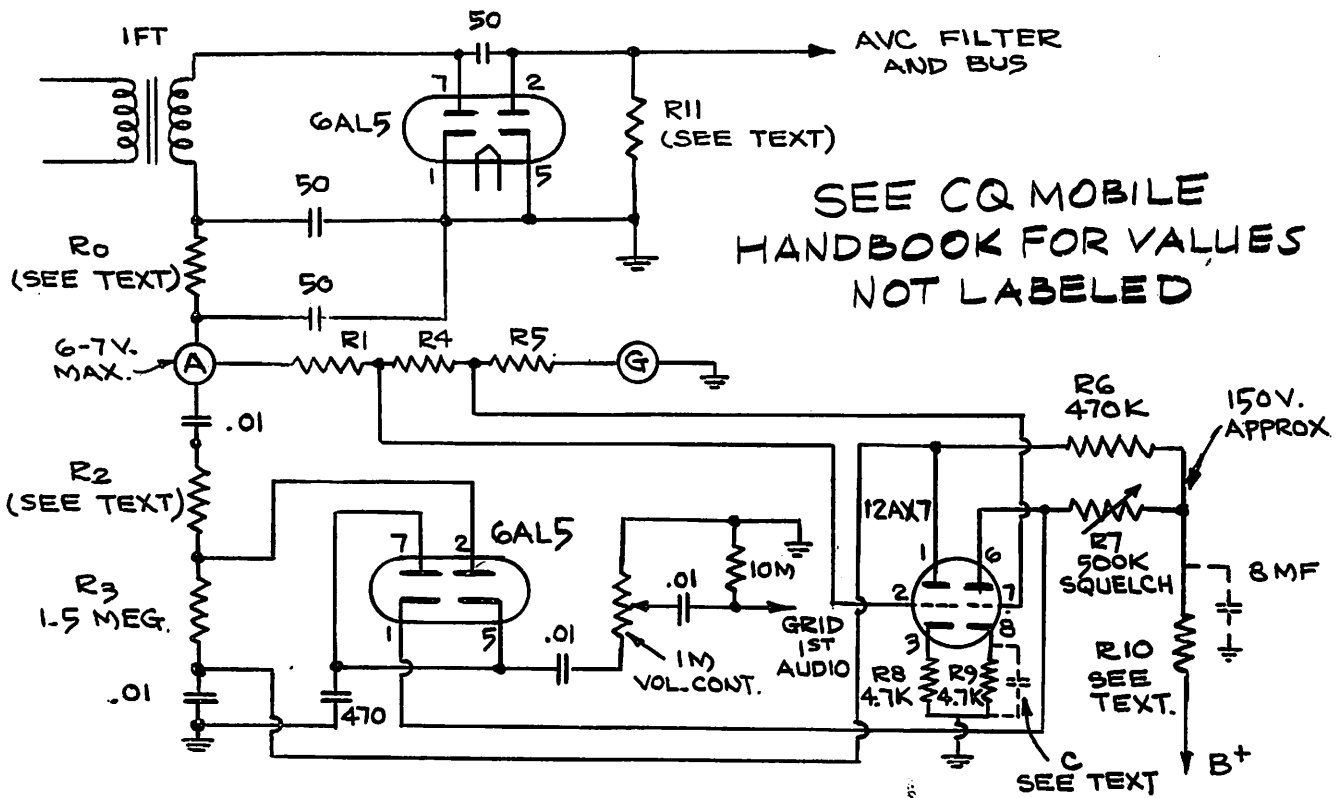
FOR SALE: Globe Phone Patch -
Model PH-1 New-unused \$20.
Bob K3EYD

FOR SALE: B&W 5100-S and 51-SB
Complete w/cables & coax
relay \$400. Jack - W3DJW
Tel: TR 7-1010

WANTED: PMRC Coax Antenna
Jon - K3HWX

FOR SALE: Collins 75A-3 with 3 KC and
800 cycle mechanical filters,
matching speaker and Collins
built-in 100 KC freq. std.
Like new - asking \$400.
Bob W3QZO VI-8-8112

FOR SALE: Knotty Pine "Aristocrat"
Kliptch Speaker Enclosure
for 12" speaker. Carefully
made and finished, new
condition \$25.00
Bill W3YHV



When a TNS is working properly with a receiver, ignition noise is down so low as to be negligible, even when you are operating in the midst of trucks or buses. There is low distortion and you can copy weak signals that usually cannot even be heard using the more common limiter. The following notes on making a TNS work properly WITH a receiver may be useful.

1. Preferably do not use a dual purpose second detector and first audio tube. Noise coupling through the tube can happen even with a dual cathode.
2. Be careful of coupling between leads or parts of input and output of the TNS for the same reason as #1.
3. Voltage for TNS should be fixed and stable. Suggest variable in B+ lead to provide 150 volts at junction of R6 and R7. Replace with fixed resistor and if very much resistance is needed suggest bleeder or VR tube be used as the stabilized voltage will be very good for TNS operation and squelch as well. Be sure to by-pass TNS side of resistor with 8 MFD to prevent motor boating.
4. Distortion is generally caused by too high an audio voltage across A G which is now detector load resistor and TNS voltage divider. About 6 to 7 volts (VTVM) is maximum permissible, receiving strongest signal. For your IF strip use 500 K variable (R0) to set 6-7 volts at A, then replace with fixed resistor of required value.
5. With a hot IF added noise with signal can be reduced by using up to 1 meg. for R2, suggest 2 meg. variable then replace with fixed resistor.
6. AUDIO OUTPUT can be increased materially by adding 5 to 10 MFD 25 V electrolytic from pin #8 to ground on 12AX7.
7. BETTER AVC ACTION should result if AVC resistor (around 2 megs) is nearer value of load resistor on detector, which is usually 100 to 250K. This would reduce AVC swings and prevent loss of sensitivity under high noise conditions. Smaller condensers on AVC line can also help in the same direction.
8. Build TNS into receiver if you can. If not keep leads short shielding output from input.

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A PHIL-MONT MOBILE RADIO
CLUB PUBLICATION
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Willow Grove, Pa.
August 1961

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TIME VALUE
Meeting Notice